

For Research Use Only.
Not for use in diagnostic procedures.



Anti-NK1.1 (CD161) (Mouse) mAb (Functional Grade)

Code No.	FP20822550
Clone	PK136
Isotype	Mouse IgG2a, kappa
Conjugate	Sodium Azide Free Immensely Reduced Endotoxin Purified
Quantity	500 µg
Concentration	2 mg/mL
Reactivity	Mouse
Formulation	Phosphate-buffered aqueous solution, pH7.2.
Application	Flow Cytometry, Functional Assay, Immunohistochemistry, Immunofluorescence Microscopy, Immunoprecipitation
Description	<p>The PK136 monoclonal antibody is specific for the mouse NK1.1, a receptor from the killer cell lectin-like receptor (KLR) family. Nk1.1 is an antigen encoded by the Klrb1c/NKR-P1C gene expressed by the natural killer cells of some selected strains of mice (C57BL, FVB/N, NZB) and encoded by the Klrb1b/NKR-P1B gene expressed on Swiss NIH and SJL mice. Pk136 binds to an epitope common to NKR-P1B and NKR-P1C. The Klrb1 is a family of type II transmembrane C-type lectin receptors. Klrb1c activates the NK-cell cytotoxicity, while Klrb1b inhibits it. PK136 is useful in defining the NK cells and the rare population of NK-T lymphocytes and specific cultured monocytes.</p>
Preparation & Storage	<p>The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.</p>
References	<ol style="list-style-type: none">1) Koo, G. C., & Peppard, J. R., Hybridoma. 3, 301-303 (1984)2) Carlyle, J. R., et al., J Immunol. 162, 5917-5923 (1999)3) Karlhofer, F. M., & Yokoyama, W. M., J Immunol. 146, 3662-3673 (1991)

For more information, please visit our web site <https://www.mblintl.com/>